

CLAIMS

- 1 A variable capacity store comprising a set of conveyor means
superpositioned on top of and connected to each other,
5 characterised in that each conveyor means includes an endless
conveyor being arranged in a generally H-shaped pattern
including two parallel elongated portions and a transverse
portion, which is movable along said elongated portions, wherein
said H-shaped pattern is, by said transverse portion, divided into
10 an active path positioned one side of the transverse portion and
a passive path positioned on the other side, wherein the capacity
of the conveyor means is arranged to be varied by displacing the
transverse portion and thereby increasing or decreasing the
proportion between the active path and passive path.
- 15 2 A variable capacity store according to claim 1, characterised in
that said H-shaped endless conveyors are connected to each
other by transfer means connecting active paths of different
conveyor means.
- 20 3 A variable capacity store according to claim 2, characterised in
that said transfer means is formed by a curved conveyor path
extending from an end of an elongated portion on one side of a
first generally H-shaped endless conveyor toward an end of an
25 elongated portion on the opposite side of a second generally H-
shaped endless conveyor positioned on top of said first generally
H-shaped endless conveyor.
- 30 4 A variable capacity store according to claim 3, characterised in
that said curved conveyor path is formed by an extension of said
endless conveyor forming a generally H-shaped endless
conveyor in one or both of two interconnected conveyor means

superpositioned on top of and connected to each other.

- 5 5 A variable capacity store according to any of the preceding
claims, characterised in that each transverse portion in said set
of conveyor means is individually displaceable along said
elongated portion, such that the capacity of each conveyor
means in said set of conveyor means is controlled independently
from the capacity of other conveyor means in said set.
- 10 6 A variable store arrangement comprising a first and a second
variable capacity store according to any of claims 1 – 5 , wherein
the active paths together with the transfer means of the first
variable capacity store forms a first conveyor path which is
arranged to perform transportation of goods from one conveyor
means to the next conveyor means in said set of conveyor
means in a first direction, the active paths together with the
transfer means of the second variable capacity store forms a
second conveyor path which is arranged to perform
transportation of goods from one conveyor means to the next
conveyor means in said set of conveyor means in a second
direction opposite to said first direction, the elongated portions of
the second variable capacity store are positioned between the
elongated portions of the first variable capacity store and the
transfer means of the second variable capacity store is
positioned between the transfer means and the transverse
portion of the second variable capacity store, whereby the first
conveyor path is essentially circumventing the second
transportation path.
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- 30 7 A variable store arrangement according to claim 6, characterised
in that said generally H-shaped patterns of said first variable

capacity store is vertically displaced from said generally H-shaped patterns of said second variable capacity store.